


12/18/01

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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>only for new nonprovisional applications under 37 CFR 1.53(b))</small> | Attorney Docket No.                      | 217201US8                                                                                                                               |
|                                                                                                                                        | First Inventor or Application Identifier | Shoji FUKUTOMI                                                                                                                          |
|                                                                                                                                        | Title                                    | MULTICAST AUTHENTICATION METHOD, MULTICAST AUTHENTICATION SERVER, NETWORK INTERCONNECTION APPARATUS AND MULTICAST AUTHENTICATION SYSTEM |
| Assignee Name:                                                                                                                         |                                          | THE FURUKAWA ELECTRIC CO., LTD                                                                                                          |
| Assignee Address:                                                                                                                      |                                          | 2-6-1, Marunouchi, Chiyoda-ku, Tokyo 100-8322 Japan                                                                                     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>APPLICATION ELEMENTS</b><br><small>See MPEP chapter 600 concerning utility patent application contents</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>ADDRESS TO:</b> Assistant Commissioner for Patents<br>Box Patent Application<br>Washington, DC 20231                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17)<br><small>(Submit an original and a duplicate for fee processing)</small><br><br>2. <input checked="" type="checkbox"/> Specification Total Sheets <span style="border: 1px solid black; padding: 0 5px;">63</span><br><br>3. <input checked="" type="checkbox"/> Formal Drawing(s) (35 U.S.C. 113) Total Sheets <span style="border: 1px solid black; padding: 0 5px;">17</span><br><br>4. <input checked="" type="checkbox"/> Oath or Declaration Total Pages <span style="border: 1px solid black; padding: 0 5px;">3</span><br>a. <input checked="" type="checkbox"/> Newly executed (original)<br>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. §1.63(d))<br><small>(if continuation/divisional with box 17 completed)</small><br>i. <input type="checkbox"/> DELETION OF INVENTOR(S)<br>Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §1.63(d)(2) and 1.33(b).<br>5. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)<br>6. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission<br><small>(if applicable, all necessary)</small><br>a. <input type="checkbox"/> Computer Readable Form (CRF)<br>b. Specification or Sequence Listing on:<br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or<br>ii. <input type="checkbox"/> Paper<br>c. <input type="checkbox"/> Statements verifying identity of above copies | <b>ACCOMPANYING APPLICATION PARTS</b><br><br>7. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))<br>8. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76<br>9. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of Attorney<br><small>(when there is an assignee)</small><br>10. <input type="checkbox"/> English Translation Document (if applicable)<br>11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations (1)<br>12. <input type="checkbox"/> Preliminary Amendment<br>13. <input checked="" type="checkbox"/> White Advance Serial No. Postcard<br>14. <input type="checkbox"/> Certified Copy of Priority Document(s)<br><small>(if foreign priority is claimed)</small><br>15. <input type="checkbox"/> Applicant claims small entity status.<br>See 37 CFR 1.27<br>16. <input checked="" type="checkbox"/> Other: Statement of Relevancy |
| 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below.<br><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)    of prior application no.:<br>Prior application information:    Examiner:    Group Art Unit:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 18. Amend the specification by inserting before the first line the sentence:<br><input type="checkbox"/> This application is a <input type="checkbox"/> Continuation <input type="checkbox"/> Division <input type="checkbox"/> Continuation-in-part (CIP)<br>of application Serial No.    Filed on<br><input type="checkbox"/> Which was published in English<br><input type="checkbox"/> Which was not published in English<br><input type="checkbox"/> This application claims priority of provisional application Serial No.    Filed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>19. CORRESPONDENCE ADDRESS</b><br><br><div style="text-align: center;"> <br/> <b>22850</b><br/>         (703) 413-3000<br/>         FACSIMILE: (703) 413-2220       </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

|            |                            |                   |               |
|------------|----------------------------|-------------------|---------------|
| Name:      | Bradley D. Lytle           | Registration No.: | 40,073        |
| Signature: | <i>Joseph Scafetta Jr.</i> | Date:             | Dec. 18, 2001 |
| Name:      | JOSEPH SCAFETTA JR.        | Registration No.: | 26,803        |

J0923 U.S. PTO  
 10/02/2027  
 12/18/01

Docket No. 217201US8

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

INVENTOR(S) Shoji FUKUTOMI

SERIAL NO: New Application

FILING DATE: Herewith

FOR: MULTICAST AUTHENTICATION METHOD, MULTICAST AUTHENTICATION SERVER,  
NETWORK INTERCONNECTION APPARATUS AND MULTICAST AUTHENTICATION SYSTEM

**FEE TRANSMITTAL**

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

| FOR                                                                  | NUMBER<br>FILED | NUMBER<br>EXTRA | RATE      | CALCULATIONS |
|----------------------------------------------------------------------|-----------------|-----------------|-----------|--------------|
| TOTAL CLAIMS                                                         | 62 - 20 =       | 42              | × \$18 =  | \$756.00     |
| INDEPENDENT CLAIMS                                                   | 6 - 3 =         | 3               | × \$84 =  | \$252.00     |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS (If applicable)   |                 |                 | + \$280 = | \$0.00       |
| <input type="checkbox"/> LATE FILING OF DECLARATION                  |                 |                 | + \$130 = | \$0.00       |
| BASIC FEE                                                            |                 |                 |           | \$740.00     |
| TOTAL OF ABOVE CALCULATIONS                                          |                 |                 |           | \$1,748.00   |
| <input type="checkbox"/> REDUCTION BY 50% FOR FILING BY SMALL ENTITY |                 |                 |           | \$0.00       |
| <input type="checkbox"/> FILING IN NON-ENGLISH LANGUAGE              |                 |                 | + \$130 = | \$0.00       |
| <input type="checkbox"/> RECORDATION OF ASSIGNMENT                   |                 |                 | + \$40 =  | \$0.00       |
| TOTAL                                                                |                 |                 |           | \$1,748.00   |

- ☐ Please charge Deposit Account No. 15-0030 in the amount of \_\_\_\_\_ A duplicate copy of this sheet is enclosed.
- ☒ A check in the amount of \$1,748.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. 15-0030.  
A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Date: December 18, 2001

Joseph A. Scafetta Jr.  
Bradley D. Lytle

Registration No. 40,073  
Joseph A. Scafetta, Jr.  
Registration No. 26,803



22850

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 10/01)